



Tirupati
Wellness

Tirupati Wellness LLP


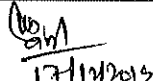
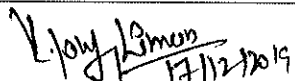
Surajpur, Nahan Road, Paonta Sahib, Dist. Sirmour, Himachal Pradesh - 173 001. India

QUALITY CONTROL DEPARTMENT

-: Certificate of Analysis- Finished Good:-

Name of Product	: Muscles XP Amino Blend+Energy Orange Flavor(400gm)	A.R. No.	: TWN/FPF1374/19
Protocol No.	: NA	Received Date	: 03/12/2019
Batch No.	: EMB19038	Date of Release	: 17/12/2019
Mfg. Date	: Nov. 2019	Batch Size	: 400gm
Best Before	: 18 months from mfg.	Sampled Qty.	: 1 Jar
Specification No.	: TWN/FPS/0096-00	Sampled By	: Mr. Ankit

Sr.No.	Tests	Specifications	Observation
1.	Description	Light brown colored Orange flavored powder & with occasionally yellow granules.	Light brown colored Orange flavored powder & with occasionally yellow granules.
2.	Identification For L- valine, L-Isoleucine & L-leucine	In the chromatograms, the retention time of principal peaks of the L-Valine, L-Isoleucine & L-Leucine in the assay preparation should correspond to that of the Standard preparation.	Complies
3.	*pH	Between 3.00 to 5.00	4.42
4.	*Loss on drying (at 105°C for 3 hrs)	NMT 3.0 % w/w	1.33 % w/w
5.	Organoleptic Reconstitution (8g in 250-300ml drinking water)	Orange colored orange flavored suspension.	Orange colored orange flavored suspension.
6.	*Bulk Density		
	Untapped	Between 0.45 to 0.65g/ml	0.63 g/ml
	Tapped (100 tap)	Between 0.55 to 0.75g/ml	0.72 g/ml

Signatories	Prepared By:	Checked By:	Approved By:
Signature & Date:	 17/12/2019	 17/12/2019	 17/12/2019



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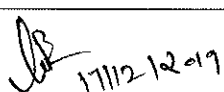
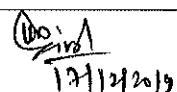
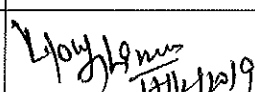
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7.	Assay			
	Content	claim	Limit	Result
	L-Valine	375 mg	NLT 90% of Labeled amount i.e NLT 337.50mg) L-Valine	562.43 mg 149.9 %
	L-Isoleucine	375 mg	NLT 90% of Labeled amount i.e NLT 337.50mg) L-Isoleucine	427.72 mg 114.1%
	L-leucine	750 mg	NLT 90% of Labeled amount i.e NLT 675.00mg) L-leucine	954.35 mg 127.2%
8.	Microbial limit test :			
	Microbiological test		Limit	Observation
	Total Plate count		NMT 10,000 cfu/g	1200 cfu/g
	Total fungal count		NMT 1000 cfu/g	<100 cfu/g
	E.coli		Should be absent/g	Absent/g
	Salmonella		Should be absent/25g	Absent/25g
	Pseudomonas aeruginosa		Should be absent/g	Absent/g
	Staphylococcus		Should be absent/g	Absent/g

*Microbiological test will be performed in first three batches than after every 10th batch.

Remark: All test parameter of the sample complies /does not comply as per the specification.

Signatories	Prepared By:	Checked By:	Approved By:
Signature & Date:	 17/12/2019	 17/12/2019	 17/12/2019

